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CERTIFICATE OF ANALYSIS**MA0011_23415401/1**

Product	Magnesium, standard solution 1000 mg/l Mg for AA (magnesium nitrate in nitric acid 0,5 mol/l)	Batch	23415401
		Quality release date	22/12/2022
MA0011		Expiry date	12/2025
Analysis	Batch value	Specifications	±U
Concentration	1002,6 mg/L	995,0 - 1005,0	3

Preparation

This atomic absorption standard has been prepared using gravimetric and volumetric procedures.
Composition per litre is 10,55 g Magnesium nitrate hexahydrate in Nitric acid 0,5 mol/l

Traceability

This standard is traceable to Standard Reference Material from NIST.
SRM 915b Calcium carbonate

Uncertainty

It characterises the dispersion of the values that could be attributed to the mesurand. The limits of the expanded uncertainty are given at a confidence level of 95% ($k=2$).

Measurement

The batch value is determined by direct complexometry titration at 20°C, by means of spectrophotometric-end-point.
Batch value certified at the time of measurement.

Storage and use

For AA spectrophotometer calibration

If the product is stored and unopened, this solution is stable for 3 years from the date of manufacturing.

Once the bottle is opened, keep tightly closed at room temperature. Avoid exposure to light.

We suggest rejecting the solution six months after opening

This solution should be checked periodically by the user.

For laboratory use only